

FIG. 1

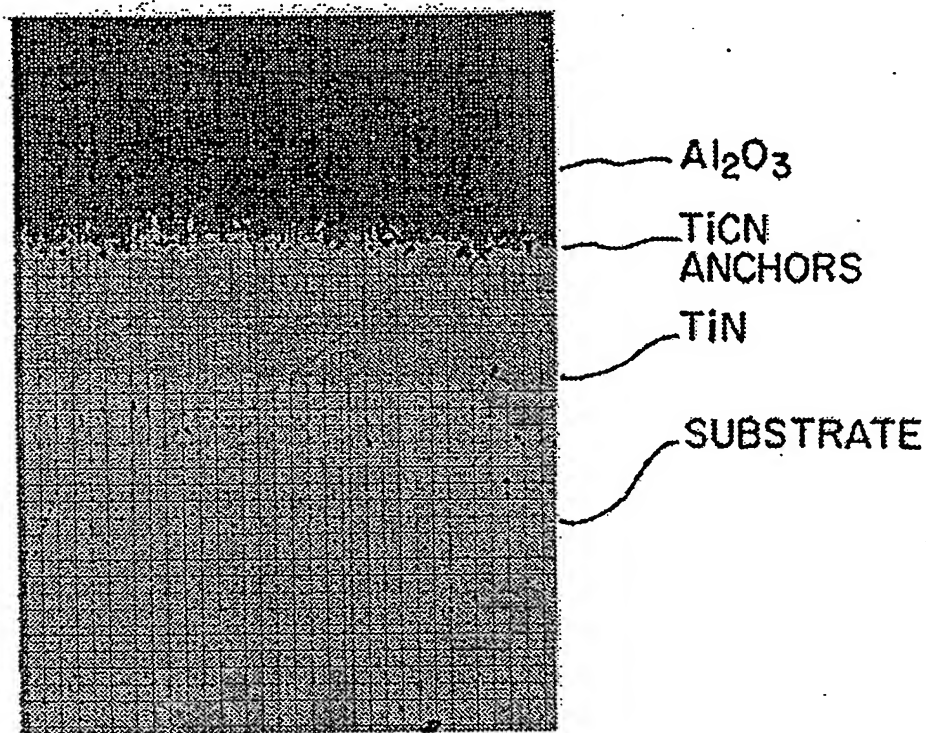


FIG. 2

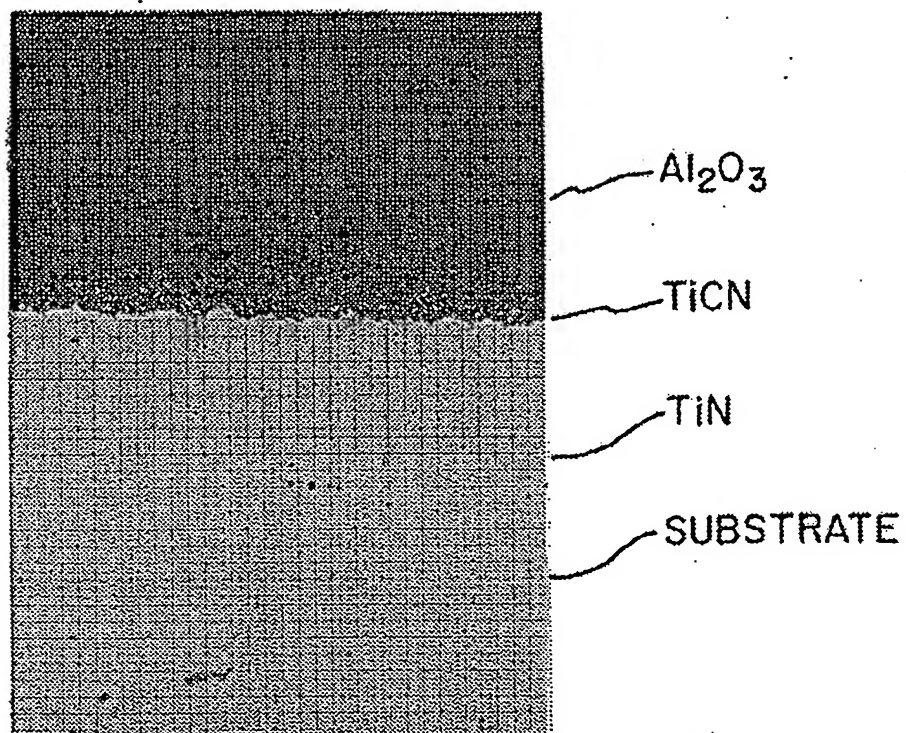


FIG. 3

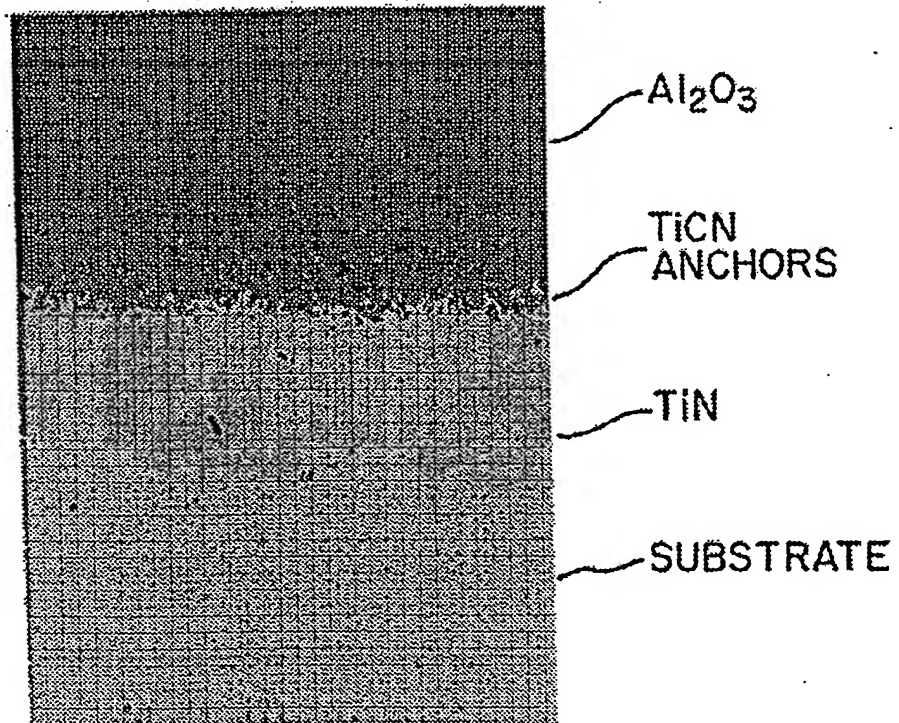
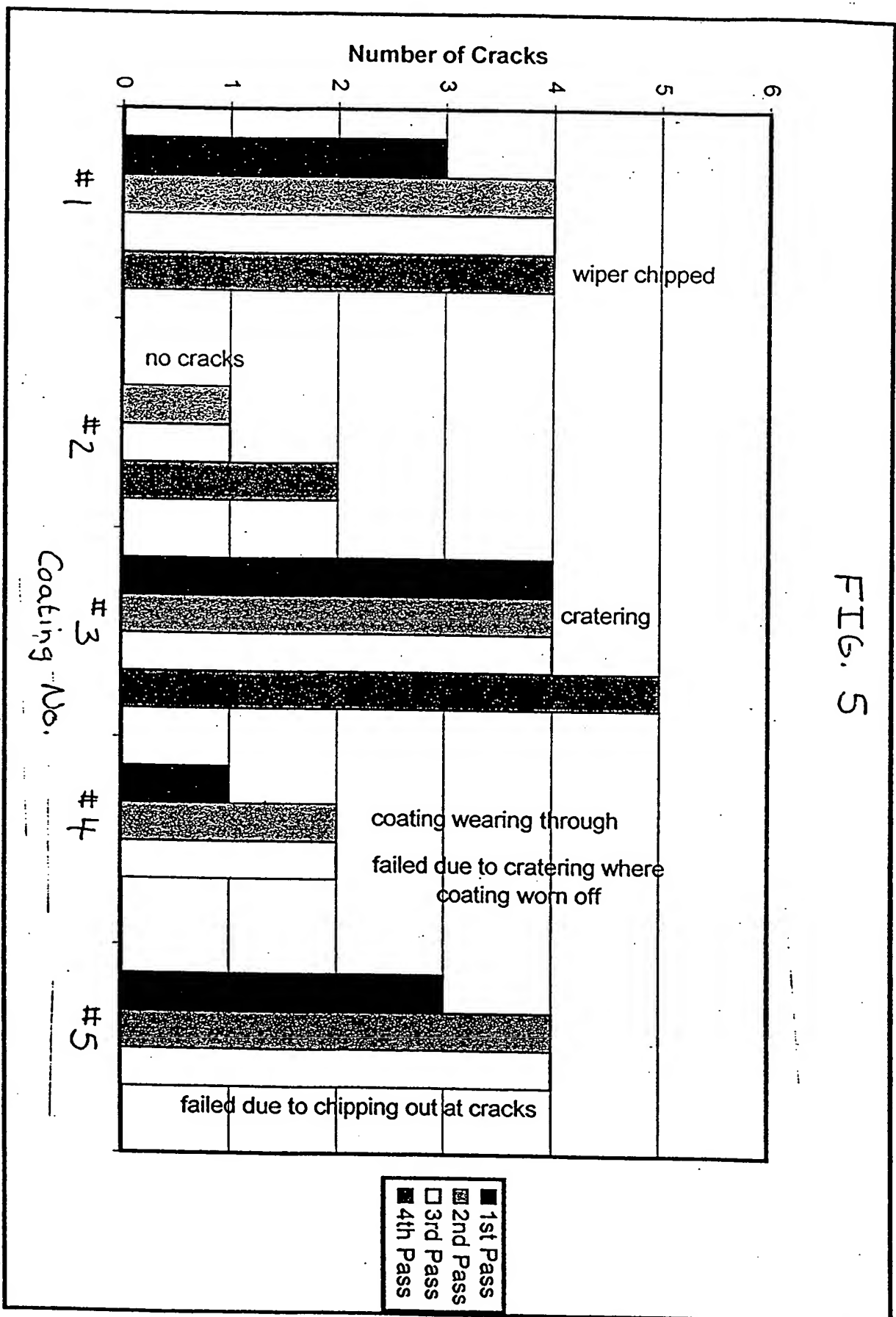


FIG. 4



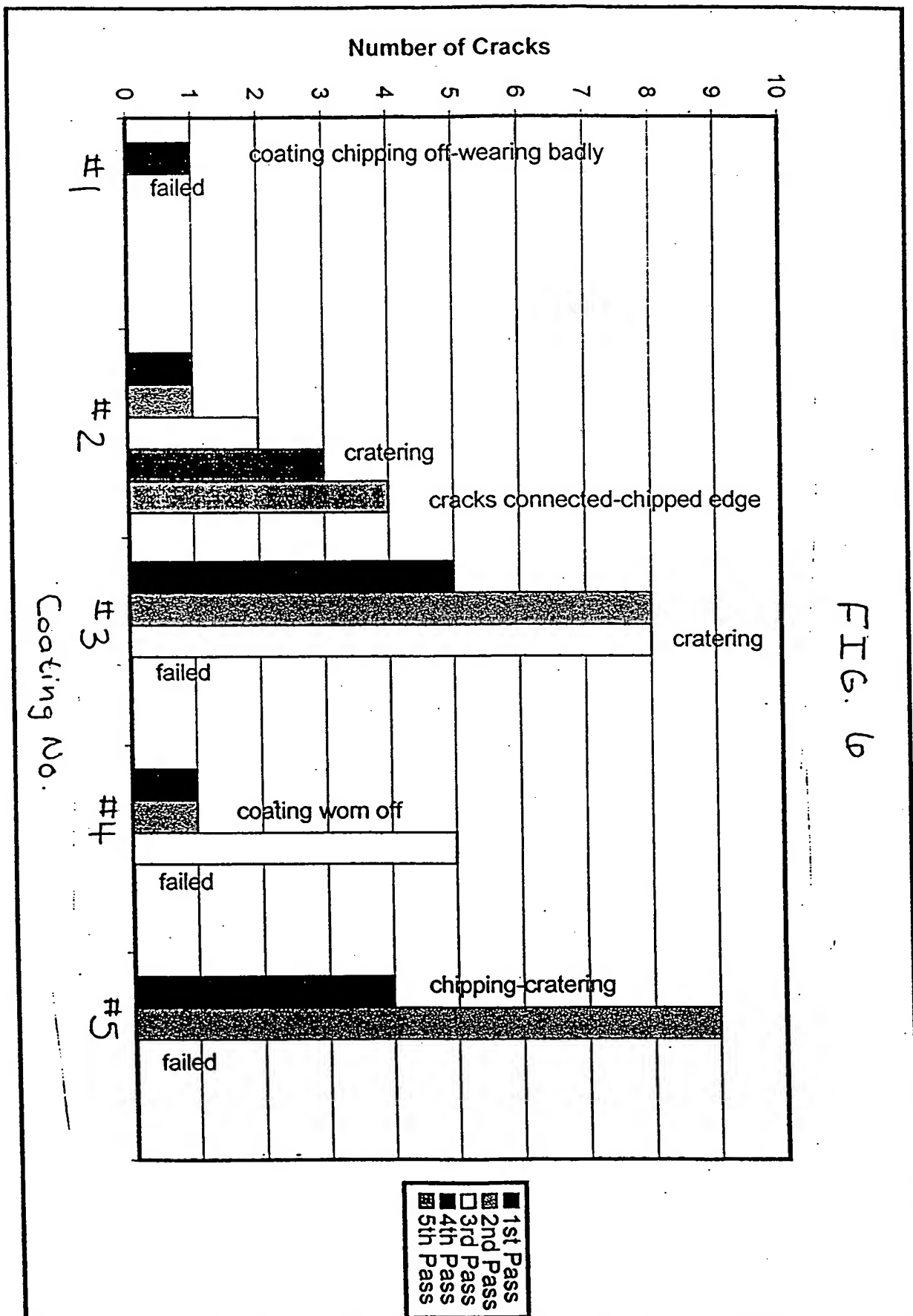


FIG. 7

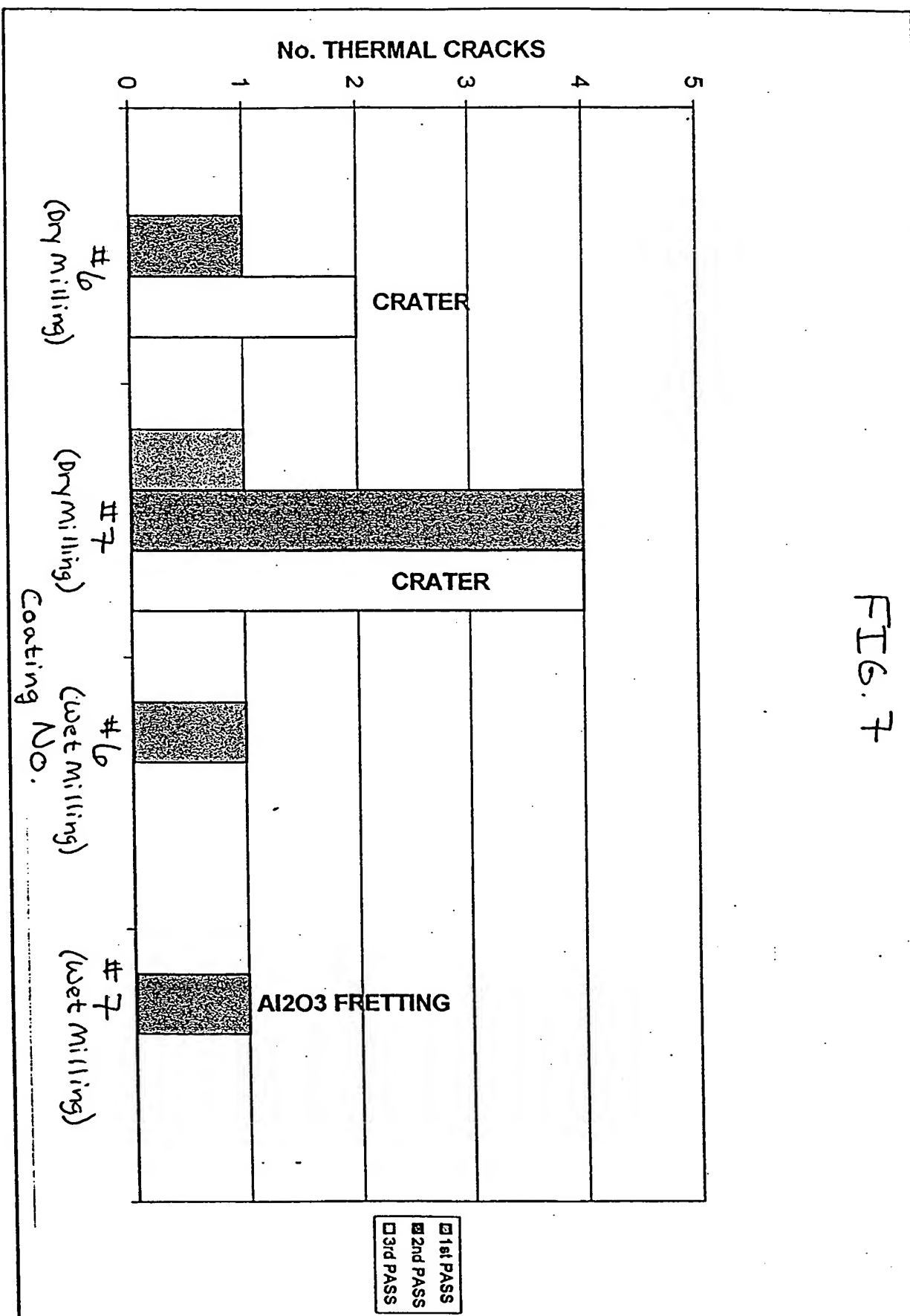
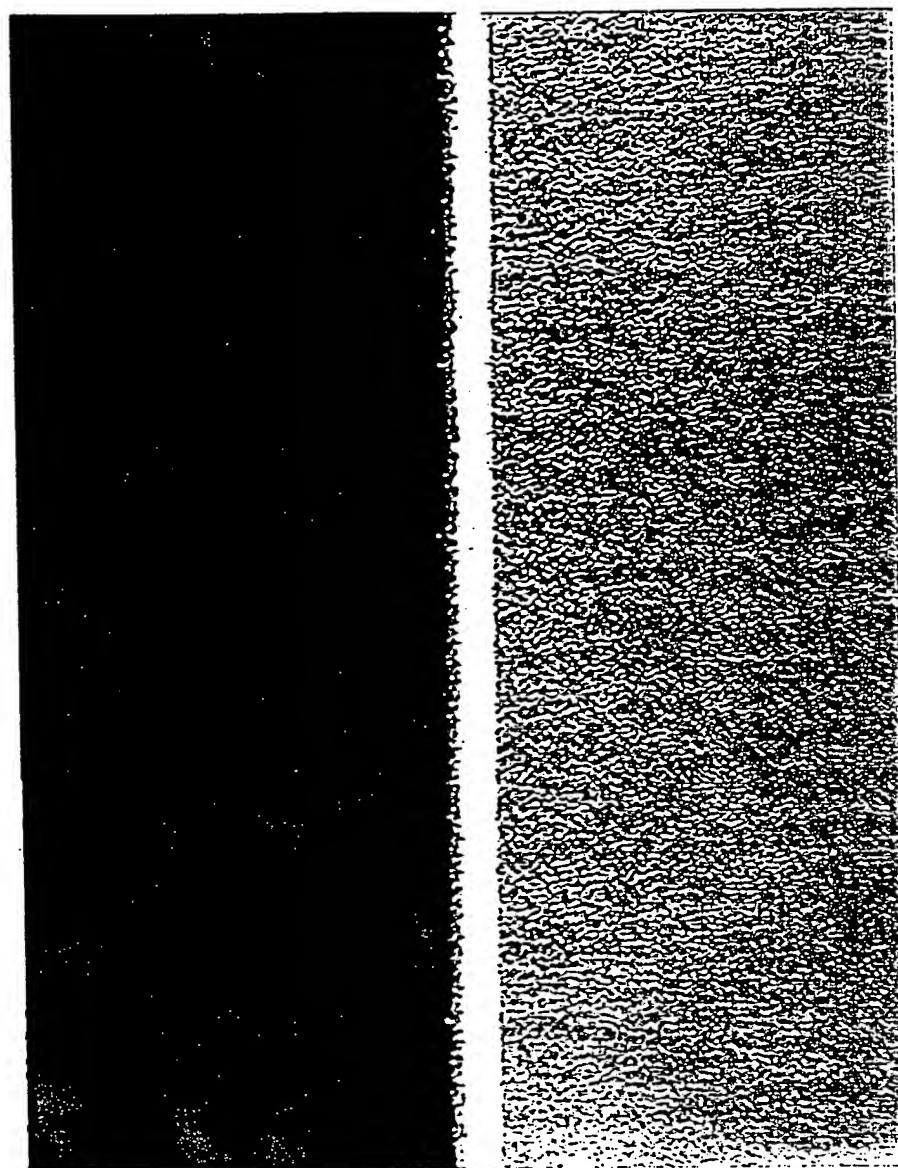


FIG. 8



Substrate  
HfN  
TiCN (NL)  
 $Al_2O_3$

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